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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/185,360
Filing Date	November 3, 1998
First Named Inventor	Joseph P. Vacanti
Group Art Unit	3738
Examiner Name	
Attorney Docket Number	MIT 6917 (CMCC 450) DIV

Sheet 2 of 27

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
DI		4,186,448		Brekke	02-05-1980	
		4,192,827		Mueller, et al.	03-11-1980	
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		4,228,243		Iizuka	10-14-1980	
		4,239,664		Teag, et al.	12-16-1980	
		4,243,775		Rosensaft, et al.	01-06-1981	
		4,277,582		Mueller, et al.	07-07-1981	
		4,280,954		Yannas, et al.	07-28-1981	
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		4,328,204		Wasserman, et al.	05-04-1982	
		4,347,847		Usher	09-07-1982	
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		4,356,261		Kuettner	10-26-1982	
		4,391,797		Folkman, et al.	07-05-1983	
		4,416,986		Markus, et al.	11-22-1983	
		4,427,808		Stol, et al.	01-24-1984	
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		4,440,921		Allcock, et al.	04-03-1984	
		4,444,887		Hoffmann	04-24-1984	
		4,446,229		Indech	05-01-1984	
		4,446,234		Russo, et al.	05-01-1984	
		4,450,150		Sidman	05-22-1984	
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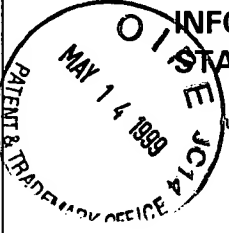
Examine Signature	David J. Isabella Primary Examiner	Date Considered	3/2000
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D		4,485,096		Bell	11-27-1984		
		4,485,097		Bell	11-27-1984		
		4,489,056		Himmelstein, et al.	12-18-1984		
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		4,495,174		Allcock, et al.	01-22-1985		
		4,505,266		Yannas, et al.	03-19-1985		
		4,520,821		Schmidt, et al.	06-04-1985		
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Group Art Unit

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Sheet	4	of	27
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**Examine
Signature**

David J. Isabella
Primary Examiner

Date	
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		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
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		DE	28 53 614		DEX	07-26-1979		
		JP	62 011 459		JPX	01-20-1987		
		JP	63 074 498		JPX	04-04-1988		
		JP	63 196 273		JPX	08-15-1988		
		JP	63 196 595		JPX	08-15-1988		
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		EP	0 282 746		EPX	09-21-1988		
		EP	0 339 607		EPX	11-02-1989		
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		EP	0 344 924		EPX	05-05-1989		
		WO	87/06120		WOX	10-22-1987		
		WO	88/03785		WOX	06-02-1988		
		WO	89/00413		WOX	01-26-1989		
		WO	89/07944		WOX	09-08-1989		
		WO	90/12603		WOX	11-01-1990		
		WO	90/12604		WOX	11-01-1990		
		WO	91/01720		WOX	02-21-1991		
		WO	94/21299		WOX	09-24-1994		
		WO	92/06702		WOX	04-30-1992		
D1		WO	92/07525		WOX	05-14-1992		

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		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
01		WO	93/07913		WOX	04-29-1993		
		WO	93/08850		WOX	05-13-1993		
		WO	93/16687		WOX	09-02-1993		
		WO	94/25079		WOX	11-10-1994		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
01		ALLCOCK, H. R., et al., "Synthesis of Poly[(Amino Acid Alkyl Ester)Phosphazenes] ¹⁻³ ," <u>Macromolecules</u> , 10(4) (July/August, 1977).	
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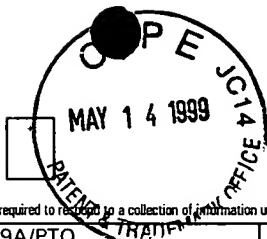
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OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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D1		ALLCOCK & KWON, "An Ionically Cross-Linkable Polyphosphazene: Poly[bis(carboxylatophenoxy)phosphazene] and Its Hydrogels and Membranes," <u>Macromolecules</u> 22:75-79 (1989).	
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D1		ATALA, et al., "Laparoscopic Correction of Vesicoureteral Reflux," <u>The Journal of Urology</u> 150:748-751 (August, 1993).	

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DI		ATALA, et al., "Sonography with Sonicated Albumin in the Detection of Vesicoureteral Reflux," <u>The Journal of Urology</u> 150:756-758 (August, 1993).	
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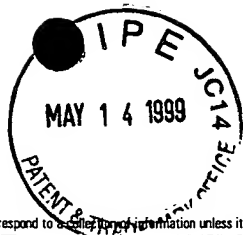
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01		BISSELL, et al., "Interactions of Rat Hepatocytes with Type IV Collagen, Fibronectin and Laminin Matrices, Distinct Matrix-Controlled Modes of Attachment and Spreading," <u>European Journ. of Cell Biology</u> 40:72-78 (1986).	
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Examiner's Signature	David J. Isabella Primary Examiner	Date Considered	3/2000
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		Application Number	09/185,360		
		Filing Date	November 3, 1998		
		First Named Inventor	Joseph P. Vacanti		
		Group Art Unit	3738		
		Examiner Name			
Sheet	10	of	27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
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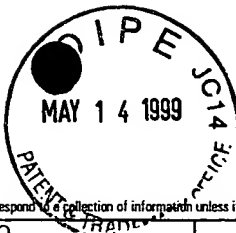
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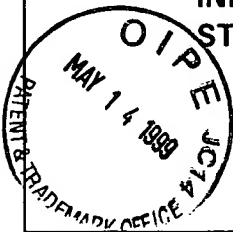


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Sheet 1 of 27

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
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		4,141,087		Shalaby, et al.	02-27-1979	
DI		4,144,126		Burbidge	03-13-1979	

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Signature
 David J. Isabella
 Primary Examiner
Date
Considered

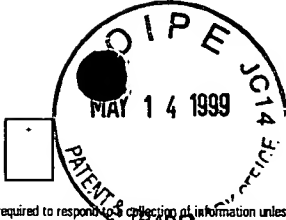
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		Application Number	09/185,360		
		Filing Date	November 3, 1998		
		First Named Inventor	Joseph P. Vacanti		
		Group Art Unit	3738		
		Examiner Name			
Sheet	16	of	27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
0/1		LETOURNEAU, "Possible Roles of Cell-to-Substratum Adhesion in Neuronal Morphogenesis," <u>Developmental Biology</u> , 44:77-91 (1975)	
		LEWIN, "Cloud Over Parkinson's Therapy," <u>Science News</u> , 240: 390-392 (1988).	
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Examiner's Signature	David J. Isabella Primary Examiner	Date Considered	3/2/99
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α		MARCIANO and GASH, "Structural and Functional Relationships of Grafted Vasopressin Neurons," <u>Brain Res.</u> , 370(2):338-342 (April 9, 1986).	
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η		MOONEY, "Control of Hepatocyte Function Through Polymer-Substrate Modulation," <u>Thesis Proposal - Department of Chemical Engineering, Massachusetts Institute of Technology</u> (September 22, 1989).	

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01		MOONEY, "Switching from Differentiation to Growth in Hepatocytes: Control by Extracellular Matrix," <u>J. Cell. Phys.</u> (151):497-505 (1992).	
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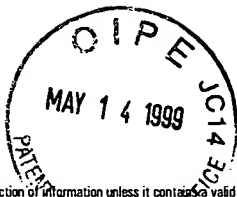
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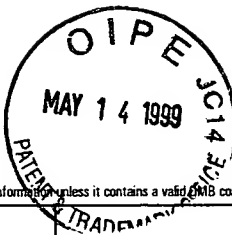
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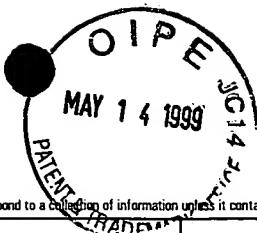
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Sheet 22 of 27

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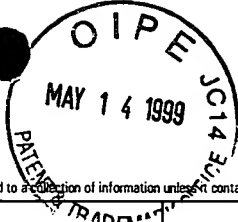
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01		SCHUBERT & BAIRD, "Multiple Influences of a Heparin-Binding Growth Factor for Neuronal Development," <u>The Journal of Cell Biology</u> , 104:635-643 (March 1987).	
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				First Named Inventor	Joseph P. Vacanti
				Group Art Unit	3738
				Examiner Name	
Sheet	23	of	27	Attorney Docket Number	MIT 6917 (CMCC 450) DIV

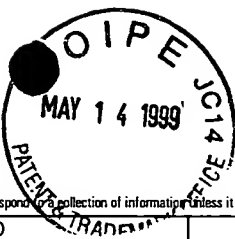
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01		SLADEK, et al., "Survival and Growth of Fetal Catecholamine Neurons Transplanted Into Primate Brain," <u>Brain Research Bulletin</u> , 17:809-818 (1986).	
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DI		TAVASSOLI, et al., "Studies on Regeneration of Heterotopic Splenic Autotransplants," <u>Blood</u> , 41(5):701-709 (May, 1973).	
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PI		VACANTI, et al., "Formation of New Cartilage in Vivo by Implantation of Cell-Polymer Constructs Created in Vitro,"	

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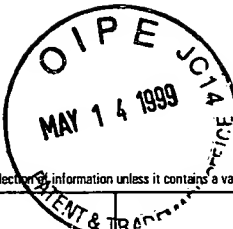
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01		VACANTI, et al., "Synthetic Polymers Seeded with Chondrocytes Provide a Template for New Cartilage Formation," <u>Journal of the American Society of Plastic and Reconstructive Surgery, Inc.</u> , 88(5):753-759 (November 1991).	
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01		VROEMEN, et al., "Hepatocyte Transplantation for Enzyme Deficiency Disease in Congenic Rats," <u>Transplantation</u> , 42(2):130-135 (1986).	

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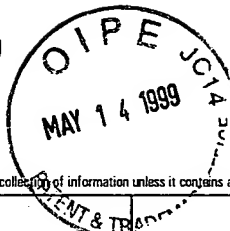
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